CM41-E Outdoor Mini Dome Camera

Compact 5MP Coverage for Outdoor Environments

Overview

The CM41-E outdoor mini dome camera provides reliable 5MP coverage in a compact form factor suited for discreet exterior deployments and small exposed spaces. With its 1 / 2.8″ progressive CMOS image sensor and 15 meters / 49 feet of IR range, the CM41-E ensures consistent image quality in a variety of lighting conditions as well as in inclement weather. The CM41-E includes an onboard S5L Ambarella processor to support analytics like AI-powered search, AI-powered alerts, and person of interest (POI) detection. The CM41-E is optimal for covering locations such as exterior alcoves and small fenced-in areas where space is limited. The camera's EN 50155 certification and thorough vibration testing also make it suitable for vehicle deployments.

Certified with IP67 weather and IK10 impact ratings, the CM41-E is designed to withstand extreme temperatures and excessive precipitation without compromising aesthetics. Installation and setup are easy to track using the LED status indicator, while the included mount plate makes it easy to install the camera on exterior walls or flat overhangs.

Key features

Excellent image quality

- 1 / 2.8″ progressive CMOS image sensor
- 5MP resolution
- 15 meters / 49 feet of IR range for well-defined nighttime viewing

Advanced analytics

- Onboard S5L Ambarella processor enables people and vehicle analytics
- AI-powered search and AI-powered alerts

Hybrid cloud architecture

- Onboard storage and processing for reduced bandwidth consumption and coverage at scale
- 30 - 365 days (128GB - 2TB) of onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage

Easy installation

- Mounting plate and screw pack included
- LED light status indicator
- Digital mute switch to quickly enable or disable audio

CM41-E
Tech Specs

Camera features

Image Sensor	1 / 2.8" Progressive CMOS	**Shutter Speed**	1 / 30 sec. to 1 / 10,000 sec.
Sensor Resolution[1]	5MP (2688 x 1944)	**Day/Night**	IR-cut filter for day and night function
Lens Type	Fixed	**IR Cut Filter**	Yes
Focal Length	2.8mm	**IR Range**	15m / 49ft
Aperture	F1.6	**Minimum Illumination**	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
Iris	Fixed	**Onboard Storage**	Capacity: From 128GB to 2TB Card: MicroSD, SDXC
Field of View (after LDC[2]**)**	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	**CPU**	Ambarella S5L63
Sensor Movement	Tilt: 70° Pan: 355° Rotation: 240°		

Standard video settings

Compression	H.265, H.264	**Historical Video Settings**	Adaptive quality[1]
Frame Rate[3]	24fps	**Live Streaming Settings**	High quality (HQ): Up to 3,000 Kbps (default) Standard quality (SQ): 600 Kbps

Standard audio settings

Audio	Supported	**Interface**	Built-in microphone
Audio Capacity	One-way audio	**Effective Range**	5m / 15ft

Power and network

Power Input[4]	With IR: IEEE 802.3af Type 1 PoE Without IR: IEEE 802.3af Type 1 PoE Extended temperature range: IEEE 802.3af Type 1 PoE	**Connectivity**	RJ-45 cable connector for network/PoE connection; 10 / 100 Mbps
Power Consumption[4]	With IR: 37-57V, 0.14-0.09A, 5.5W Without IR: 37-57V, 0.08-0.05A, 3.2W Extended temperature range: 37-57V, 0.27-0.17A, 10.1W	**RTSP**	RTSP 1.0 RFC 2326 Max concurrent streams: 2 Audio support: Yes

1. All our cameras record in "adaptive quality," capturing both standard (SQ) and high quality (HQ) streams. SQ video is stored up to the amount of retention specified by the customer. The amount of HQ video stored on the camera will depend on the amount of motion detected by the camera over time. To learn more, visit our website: https://docs.verkada.com/docs/adaptive-quality-recording-whitepaper.pdf
2. Lens Distortion Correction (LDC) crops the sensor field of view to deliver a rectified, undistorted output image.
3. Frame rate can be adjusted by support.
4. Extended temperature range includes operating temperatures below -10°C / 14°F and assumes IR will be enabled.

CM41-E
Tech Specs

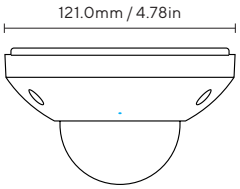
General

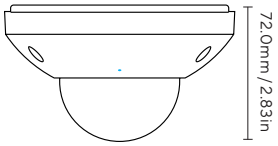
Operating Temperature	-40°C to 55°C / -40°F to 131°F	**LED Indicator**	System power and status indicator
Humidity	0 to 90%	**Warranty**	10 Years
Certifications	FCC, ICES, CE, UKCA, RCM, VCCI, KCC, BIS, NOM, UL/cUL/IEC 62368-1, CB, IP67 weather rating, IP6K9K, IK10 impact rating, IEC 60950, FY2019 NDAA compliant, EN 50155, EN 45545, EN 50121	**Included Accessories**	Setup guide, T10 security torx screwdriver, wall mount screws (3x), junction box screws (2x), mounting template, desiccant bags, cable sealing components

Mechanical

Weight	Camera: 401g / 14.14oz Mount plate: 138g / 4.87oz	**Body**	Aluminum, plastic dome trim
Dimensions	Ø: 121.0mm / 4.78in, H: 72.0mm / 2.83in		

Dimensions





Software capabilities

Alerts	Camera status, motion detection, people detection, vehicle detection, person of interest detection, crowd detection, AI-powered alerts	**Streaming and Storage**	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP
People Analytics	People search, attribute search, face search, motion search, selective face blurring, AI-powered search	**Sharing and Privacy**	Live links, privacy regions, audit log
Vehicle Analytics	Vehicle search, attribute search, motion search, AI-powered search		

Ordering Information

CM41-E pricing

Model Number	MP[1]	WDR	Lens	IR Range	Onboard Storage	Maximum SQ Onboard Retention[1]	People/ Vehicle Analytics	Cost (MSRP) USD
CM41-30E-HW	5MP	✓	Fixed	15m / 49ft	128GB	30 Days	✓	$999
CM41-60E-HW	5MP	✓	Fixed	15m / 49ft	256GB	60 Days	✓	$1,399
CM41-90E-HW	5MP	✓	Fixed	15m / 49ft	384GB	90 Days	✓	$1,799
CM41-365E-HW	5MP	✓	Fixed	15m / 49ft	2TB	365 Days	✓	$3,199

1. All our cameras record in "adaptive quality," capturing both standard and high quality streams. Standard quality (SQ) video is stored up to the amount of retention specified by the customer. The amount of high quality video stored on the camera will depend on the amount of motion detected by the camera over time. To learn more, visit our website: https://docs.verkada.com/docs/adaptive-quality-recording-whitepaper.pdf

Ordering Information

Video Security Cloud License pricing (New/Capacity Increase)

Model Number	Description	Cost (MSRP) USD
LIC-CAM-1Y-CAP	1-Year Camera License, Capacity Increase	$219
LIC-CAM-3Y-CAP	3-Year Camera License, Capacity Increase	$599
LIC-CAM-5Y-CAP	5-Year Camera License, Capacity Increase	$999
LIC-CAM-10Y-CAP	10-Year Camera License, Capacity Increase	$1,999

Video Security Cloud License pricing (Renewal)

Model Number	Description	Cost (MSRP) USD
LIC-CAM-1Y-RNW	1-Year Camera License, Renewal	$219
LIC-CAM-3Y-RNW	3-Year Camera License, Renewal	$599
LIC-CAM-5Y-RNW	5-Year Camera License, Renewal	$999
LIC-CAM-10Y-RNW	10-Year Camera License, Renewal	$1,999

Ordering Information

Accessories pricing

Model Number	Description	Cost (MSRP) USD
ACC-MNT-ARM-1	Arm Mount	$99
ACC-MNT-CORNER-1	Corner Mount	$199
ACC-MNT-MJBOX-1	Mini Junction Box Mount	$79
ACC-MNT-MPEND-1	Mini Pendant Cap Mount	$79
ACC-MNT-POLE-1	Pole Mount	$209
ACC-MNT-SJBOX-1	Square Junction Box	$89
INJ-POE-PLUS	PoE Plus (802.3at Type 2) Injector, GigE	$129

Ordering information

Viewing station pricing

Model number	Description	Cost (MSRP) USD
VX52-HW	VX52 Viewing Station	$499

Viewing station license pricing (new/capacity increase)

Model number	Description	Cost (MSRP) USD
LIC-VX-1Y-CAP	1-Year Viewing Station License, Capacity Increase	$499
LIC-VX-3Y-CAP	3-Year Viewing Station License, Capacity Increase	$1,299
LIC-VX-5Y-CAP	5-Year Viewing Station License, Capacity Increase	$1,999
LIC-VX-10Y-CAP	10-Year Viewing Station License, Capacity Increase	$3,999

Viewing station license pricing (renewal)

Model number	Description	Cost (MSRP) USD
LIC-VX-1Y-RNW	1-Year Viewing Station License, Renewal	$499
LIC-VX-3Y-RNW	3-Year Viewing Station License, Renewal	$1,299
LIC-VX-5Y-RNW	5-Year Viewing Station License, Renewal	$1,999
LIC-VX-10Y-RNW	10-Year Viewing Station License, Renewal	$3,999